

Lassen/Plumas Storrie Fire 10-Year Restoration Plan

Version 1.0

Code	Project Name	Project Description	Lead Forest	Total Cost (\$m)	Category of Resource Addressed			Start Year	Duration (years)
					Forest Structure	Natural Resources	Recreation Scenic		
1	Aerial Data Collection	Aerial photos and LiDAR of fire area for restoration planning	Joint	425	X	X	X	2009	5
1	Integrated Analysis of Reforestation and Restoration Needs	IDT assess available resource information, identify survey/data needs, develop restoration plan for each resource area	Joint	3000	X	X	X	2009	2
1	Partnership Engagement Component	Develop and implement a strategy to bring partner organizations into a wide array of restoration activities to increase capacity and accomplishments.	Joint	200	X	X	X	2009	10
1	Public Involvement Component	Provide meaningful opportunities for the public to volunteer for and learn from a variety of post-wildfire restoration projects. Example, volunteer help in hiking and OHV trail rehab in High Lakes.	Joint	250	X	X	X	2009	10
1	Z - BENEFITS ALL RESOURCES	SUB-TOTAL	3875						
2	A - Complete planned reforestation	1500 acres of partially-completed reforestation plans on LNF	LNF	5000	X	X		2009	5
2	Annual Reforestation	Implement reforestation identified by IDT. Goal is 1000 acres per year.	LNF	7500	X	X	X	2010	10

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2	Nursery Expansion	Improvements to Chico Genetic and Resource and Conservation Center and the Placerville Nursery for the production of planting stock necessary for Storrie Reforestation efforts.	Joint	600	x	x	x	2009	1
2	Aspen Forest Management	Treat aspen stands in the fire area to hasten the development of high quality, specialty habitat.	LNF	1000	X	X	X	2010	8
2	Black Oak Forest Management	Treat black oak stands in the fire area to hasten the development of high quality, specialty habitat.	LNF	1000	X	X	X	2010	8
2	Critical Remnant Habitat Fire Protection	Protect remnants of critical habitats and features which survived Storrie Fire with fuel reduction.	LNF	5000	X	X	X	2010	10
2	Deer Migration Corridor Management	In partnership with CA DFG, identify and manage vegetation along deer (important game species) migration routes through the fire area.	PNF	800	X	X	X	2010	10

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2	Feather River Canyon Fuel and Ignition Hazard Reduction/Fire Mgt. Plan	Identify and implement forest fuel and ignition reduction treatments on NFS lands along the Hwy 70/railroad/powerline corridors of Hwy 70 to reduce likelihood of future devastating fires in the Storrie Fire area. Partners are Union Pacific RR, PGE, CalTrans, Plumas County, local communities.	PNF	5000	X	X	X	2010	10
2	Fire-related sediment reduction along roads.	Expand integrated weed management strategy and activities in the fire area with MOU Weed Management Group	Joint	100		X		2009	5
2	LNF Mastication 1	Site prep by mechanically reduce hazardous fuels build up on tractor-accessible ground within fire area.	LNF	245	x	x		2009	10
2	Queen Lily Reforestation	Reforest plantations and unmanaged forests in the Queen Lily area of the PNF	LNF	600	X	X		2010	6
2	Reforestation Sampler	Site-prep and planting on LNF using variety of prescriptions	LNF	226	x	x		2009	10
2	Reforestation Sampler Evaluation	PSW Redding evaluates efficacy of "Reforestation Sampler" units to inform subsequent reforestation	LNF	1388	x	x		2009	10

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2	Reforestation and Ecosystem Interpretation and Education	Develop interactive demonstration areas and experiences (trails, signs, driving tours, interactive web sites, etc...) for hands-on public learning about fire-adapted ecosystems and restoration.	Joint	500	x	x	x	2009	10
2	Restoration Investment Fire Protection	Strategic fuels reduction to protect restoration investments.	LNF	3000	X	X	X	2011	8
2	Riparian Forest Management	Treat forest stands along key stream segments to develop high quality riparian forests.	LNF	1000	X	X	X	2010	8
2	Spotted Owl PAC Designation Resolved	Update Spotted Owl protective habitat land designations to reflect post-fire habitat condition and owl use patterns. Surveys and analysis.	Joint	325		X		2010	10
2	Spotted Owl PAC Habitat Restoration	Design and implement forest culture activities to more quickly produce desired habitat features within post-fire PACs.	Joint	500	X	X		2013	3
2	Tobin Reforestation	Site prep and replant forest on NFS in watershed of Tobin community water system	LNF	290	X	X	X	2010	5
2	Bucks Lake Wilderness Fire Plan and the High Lakes Fire Plan	Develop a new Fire Plans for these two areas, incorporating vegetation changes resulting from Storrie fire, and potential for future fires moving in patterns similar to Storrie.	Joint	100	x	X	X	2010	7

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2	Vegetation and Wildlife Administrative Studies	Forests work closely with PSW to develop a suite of research activity that will inform restoration of forest stands and natural resources in the Storrie Fire area. Includes studies proposed by Stein (6,470) and Ritchie (4,000).	Joint	10,470	X	X		2009	6
2	Z - FOREST STRUCTURE	SUB-TOTAL of currently identified projects	44644						
3	Debris Flow Monitoring	Monitor areas already identified as being at high-risk for debris flows as a result of the fire. Travel and boating on Hwy 70 and North Fork Feather River would be negatively impacted these debris flows.	Joint	600		X	X	2009	9
3	Debris Flow Rehabilitation	Implement treatments to trap and manage sediments from activated debris flows.	Joint	750		X	X	2010	10
3	Fire-related sediment reduction along roads.	Reduce sediment delivery from non-point sources in fire area along roads, where sediment-bearing water is concentrated.	Joint	250		X		2009	10
3	Fish Habitat Monitoring	Monitor effects of fire and restoration efforts on important fish bearing streams in the fire area.	Joint	300		X	X	2010	10

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3	Indian Creek Yellow Legged Frog Restoration	Instream habitat enhancement - create more pools for breeding and rearing	Joint	50		X		2010	6
3	Milk Ranch Creek Fish Passage and Instream Improvements	Work with Union Pacific RR to improve fish passage, reconnecting 2 miles of high quality trout spawning and rearing with the mainstem North Fork.	PNF	2000		X		2011	5
3	North Fork Feather Fish Passage MOU	Additional fish passage needs identified within the Storrie Fire area in partnership with FERC ERC committee and other land managers party to fish passage MOU.	PNF	1000		X	X	2010	8
3	River channel improvements in mainstem North Fork Feather River.	Manage and mitigate downstream aquatic effects of the fire in cooperation with Rock Creek Cresta Ecological Review Committee (FERC).	PNF	500		X	X	2010	4
3	Rush Cr. Fish Ladder	The highest priority fish passage need in fire area, along Scenic Hwy. Interagency MOU partners	PNF	250		X	X	2009	2
3	Soil Improvements	Treat destabilized soils and restore organic nutrients where practical, using info from FERC investigations and restoration surveys.	Joint	150		X	X	2010	5

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3	Stream restoration on Yellow, Indian, Chips, Chambers, Jackass, Granite, Opapee and Murphy's Creeks	Stabilize channels and headcuts, create instream habitat, restore riparian habitat in important fish producing streams.	Joint	2000		X	X	2010	10
4	Traditional Forest Products Management	With tribal partners, identify good sites for bear grass, willow, etc.. Manage sites for target species as the forest regerates.	Joint	500		X	X	2009	10
4	Heritage Interpretation	Appropriately interpret historical sites in the fire area for the visiting public. Partners are tribes and historical organizations.	Joint	75		X	X	2010	7
4	Heritage Site Monitoring	Monitor know heritage sites in the fire area to determine exposure or damage from the fire. Tribal Partners.	Joint	80		X		2009	5
4	Heritage Sites Stabilization	Stabilize sites exposed or damaged by the fire. Tribal partners.	Joint	225		X		2011	5
4	Z - NATURAL RESOUC	SUB-TOTAL of currently identified projects	8730						
5	Abandoned mine closures	Close abandoned mines within the fire area that present a hazard to the recreating public, water quality, or wildlife.	PNF	250		x	X	2011	10

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5	Bucks Lake Wilderness Trailhead Improvements	Provide new bulletin boards and signage at Three Lakes, Silver Lake, Bucks Summit and Belden.	PNF	75			X	2009	7
5	Canyon Campground Improvements	Restoration and Improvements at 3 developed campgrounds in the fire area to provide high quality camping opportunities to the recreation public.	PNF	2000			X	2010	5
5	Caribou Recreation Rentals	Repair cabins at Caribou, offer as rentals through concessionair to diversify recreation options in the fire area.	PNF	500			X	2012	3
5	Carribou Road Interpretation and Day Use	Design and implement day and dispersed recreational options in this section of the fire area	PNF	50			X	2011	3
5	Displaced Use Trail Rehabilitation	Improve trails in vicinity of fire that have experience increased use as a result of trails in fire area being unusable.	PNF	75			X	2010	4
5	Feather River Canyon Environmental Education	Convert the unused James Lee School House (on NFS lands) to a public education area with restrooms, group camping, nature trail to the river and interpretive stations. Partners are Plumas Unified School District Outdoor Education Program and others.	PNF	1000			X	2011	8

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5	Gansner Bar Day Use and Ampitheater Improvements	Improve Picnic, Day Use, and Ampitheater at Gansner Bar Campground with tables and seating.	PNF	75			X	2010	4
5	Halstead Campground Fence	Rebuild fence surrounding the campground	PNF	10			X	2009	3
5	Motorized Trail Improvments	Improvements of motorized trails in the fire area to provide recreating public with well-designed, sustainable access.	Joint	2000		X	X	2012	10
5	New Trail Construction	Develop and construct new trails in the fire area to improve recreation opportunities.	Joint	600			X	2010	10
5	Pacific Crest Trail Rehabilitation and Improvementes	Restore and maintain 20 miles of the PCT National Scenic Trail impacted by Storrie Fire.	Joint	1500			x	2009	10
5	Road Improvements	Improvements needs of road network within and accessing the fire area, to provide an adequate, safe, and sustainable road network in the fire area.	Joint	2000		X	X	2011	8
5	Road Signs	Replace directional road signs along Forest Roads that were burned in the fire.	Joint	100			x	2009	9
5	Scenic Byway Plan Implemetnation	Provide signs, information kiosks, day use and picnic sites along the Feather River Scenic Byway.	PNF	1000			X	2010	5

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5	Scenic View Points	"Fire Adapted Ecosystems" and "Fire Recovery" interpretive signs on major public roads with scenic vistas of Storrie Fire.	PNF	500				2010	3
5	Storrie Area Trail Rehabilitation	Restore and maintain 50 miles of established, trails (other than PCT) impacted by Storrie Fire. Partner is Trails for Plumas County and Sierra Buttes Stewardship.	PNF	250			X	2009	10
5	Z - RECREATION AND SCENIC	SUB-TOTAL of currently identified projects	11985						
			TOTAL	69234					

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		Resource Category	Currently Planned	Reserve	Initial Distrib	Initial %			
		Integrated Assessment	3,875	125	4,000	5			
		Forest Structure	44,644	56	44,700	54			
		Natural Resources	8,730	8,270	17,000	23			
		Recreation/Scenic	11,985	2,315	14,300	18			
		TOTAL	69,234	10,766	80,000	100			